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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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## **Complete if Known**

Application Number	09/912,068
Filing Date	07/23/01
First Named Inventor	Zhang
Group Art Unit	2185
Examiner Name	Unassigned
Attorney Docket Number	20510-001700US

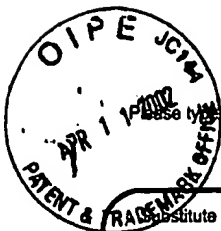
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## **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
KCT	1	Bahl et al., "Optimal Decoding of Linear Codes for Minimizing Symbol Error Rate," <u>IEEE Transactions on Information Theory</u> , IT-20:284-287 (1974).	
KCT	2	Benedetto et al., "Parallel Concatenated Trellis Coded Modulation," <u>IEEE ICC96</u> , pgs. 974-978 (1996).	
KCT	3	Benedetto et al., "Serial Concatenation of Interleaved Codes: Performance Analysis, Design, and Iterative Decoding," <u>TDA Progress Report 42-126</u> , pages 1-26, August 15, 1996.	
KCT	4	Berrou, C., "Near Optimum Error Error Correcting Coding And Decoding: Turbo-Codes," <u>IEEE Trans. Communications</u> , 44(10):1261-1271 (1996).	
KCT	5	Chase, D., "A Class of Algorithms for Decoding Block Codes With Channel Measurement Information," <u>IEEE Transactions On Info. Theory</u> , IT-18(1):170-181 (1972).	
KCT	6	Divsalar et al., "Turbo Codes for PCS Applications," <u>IEEE ICC95</u> , Jet Propulsion Laboratory, Cal Inst. Tech., pgs. 54-59 (1995).	
KCT	7	Divsalar et al., "Multiple Turbo Codes for Deep-Space Communications," <u>TDA Progress Report 42-121</u> , pages 66-77, May 15, 1995.	
KCT	8	Gallager, R.G., "Low-Density Parity-Check Codes," <u>IRE Transactions on Information Theory</u> , pages 21-28 (1992).	
KCT	9	Hagenauer et al., "A Viterbi Algorithm with Soft-Decision Outputs and its Applications," <u>IEEE Global Telecommunications Conference</u> , held 11/27-30/1989, Dallas TX., pgs. 1680-1686.	
KCT	10	Le Goff et al., "Turbo-Codes and High Spectral Efficiency Modulation," <u>IEEE ICC94</u> , pages 645-649, (1994).	
KCT	11	MacKay, D., "Good Error-Correcting Codes Based on Very Sparse Matrices," <u>IEEE Transactions on Info. Theory</u> , 45(2):399-431 (1999).	
KCT	12	MacKay et al., "Near Shannon limit performance of low density parity check codes," <u>Electronics Letters</u> , 32(18):1645-1646 (1996).	
KCT	13	Pyndiah, R.M., "Near-Optimum Decoding of Product Codes: Block Turbo Codes," <u>IEEE Transactions on Communications</u> , 46(8):1003-1010 (1998).	
KCT	14	Robertson, P., "Illuminating the Structure of Code and Decoder of Parallel Concatenated Recursive Systematic (Turbo) Codes," <u>IEEE GLOBECOM94</u> , pages 1298-1303 (1994).	
KCT	15	Robertson et al., "Bandwidth-Efficient Turbo Trellis-Coded Modulation Using Punctured Component Codes," <u>IEEE J. Selected Areas in Communications</u> , 16(2):206-218 (1998).	
KCT	16	Ungerboeck, G., "Channel coding with Multilevel / Phase Signals," <u>IEEE Trans. Info. Theory</u> , IT-28(1):55-67 (1982).	
KCT	17	"New Proposal of Turbo Codes for ADSL Modems," ITU Standard Collection, Study Group 15, Question 4/15, BA-020R1, Antwerp, Belgium, June 19-23, 2000.	

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Examiner Signature	Shanhong Tian	Date Considered	11/15/2004
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### Complete if Known

Application Number	09/912,068
Filing Date	July 23, 2001
First Named Inventor	Song Zhang
Group Art Unit	2185
Examiner Name	unassigned
Attorney Docket Number	020510-001700US

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### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
KCT	1	6,088,387		Gelbium et al.	07-11-2000	
KCT	2	5,852,389		Kumar et al.	12-22-1998	

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### FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

Examiner Signature	<i>Thanh Cong Tran</i>	Date Considered	11/15/2004
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